

ARRL - Fred Fish, W5FF Memorial Award

The ARRL awards the Fred Fish, W5FF Memorial Award to amateurs who submit confirmations for contacts with all 488 Maidenhead grid squares in the 48 contiguous United States on 6 Meters. The following listing contains the call signs and FFMA totals as recorded at ARRL HQ today (22 Jun 2026). Awards are NOT activated automatically; participants must apply to have the Fred Fish, W5FF Memorial Award activated when the qualifying number of credits is obtained.

See the [ARRL VUCC page](#) for details.

488	W4UDH	484	473	NA9RB
AA0MZ	W5ADD	AD6D	N4TB	
AA5AM	W5AFY	AF5CC	NQ7R	460
AA5C	W5AJ	AI1K	WB0O	K5OMC
AA7A	W5EME	K7BG		KF0M
AI5I	W5FF		472	W3UR
K0GU	W5KI	483	KB7ME	
K1TO	W5OZI	AC0RA	ND4X	459
K1TOL	W7GJ	K1USA	WD8JJA	N5NA
K4PI	W7JW	W0VTT	WE9R	
K4XO	W7KNT	W5TRL		458
K5RK	W7MEM	WB0ULX	470	K9NW
K5UR	W9FF		WO7R	KG5THG
K5WE	W9JN	482		N9BCA
K7CW	W9RM	K0BJ	468	NA6MG
K7ULS	W9XX	KX4R	N5EKO	
K8SIX	WD5K		VE3EK	457
K9CT	WQ5S	481		K4HB
KA9CFD	WS9V	KC7QY	467	N9PGG
KA9FOX		N4WW	NY0V	NI0G
KD5M	487	N5WS		
KG5CCI	K0SIX	W9VHF	466	456
KM0A	K0TPP	WA7HQD	KA0JGH	AJ4A
KM0T	K7MAC		KB6NAN	N4QS
KO9A	K9YY	480	WB9CIF	W5THT
KR7O	N0AKC	K5GZR	WX7M	
KV5W	N7CW	XE2OR		455
N0LL	N7IR		465	K9MK
N0LWF	N9ISN	479	XE2K	WA9DU
N0PB	NA6L	W5WVO		
N0TB	W3IP	W9RN	464	453
N1AV	XE2CQ		AJ4F	K4YMQ
N3SL		478	KB9OWD	K7PI
N3XX	486	AD1C		KB9DAK
N5DG	K5ND	AE5B	463	
N5OMG	KY7M		K4MY	452
N6JV	N0KE	477	W5XC	N5BO
N7NW	N7KA	KC7V		N9BX
N9LB	WD5COV	N5KO	462	NE1B
N9UM		N7ZO	K4SO	
ND0B	485	NC6K	K6ZH	451
W0FY	K9MU	W6XK	N6ORB	K5WBM
W0JW	N0POH			KD3CQ
W0LGQ	W5VY	474	461	
W3CP	W5ZN	K7KQA	N4JQQ	

450 K8ZM KF8MY	438 N5TJ	422 VE6WQ WB5JID	407 W4AS W5CIA W5PR	394 AA5JF K6RO KT8O
449 K3SX KF6HI W8TN	437 K5RT KK4MA	421 WW1L	406 AK3E K6FG K8EB N4UFO	393 K1GG K7XC KV7N WR7X
448 KP4AJ W3LPL WB7CJO XE2X	436 N9FN W3TC WB8ART	419 K7NN W0GN W5AL	405 AA4SC K3FRK K5CKS NE9U W0MU	392 AF4HX W6OMF
447 AH0U KS7S N2NL N4SC	434 K1SIX K8ROX VE3LYC W3LL	417 NJ6D	404 K8JH N2ZX VE4EAR W5SUM	391 AB4SF AD5A W4AVY W6TMD
446 K1HTV K6EID WB8ZBT	432 K6GXO N6KK	416 K4RWP K7ND KO4MA NI0P	403 NH6T/W4	390 KZ2I
445 K4XP KU7Z N4LR N8OC	431 K0TLM	415 K7AWB W0GJ	402 K3FM K7SMA	389 W5MO
444 N7BAV W9WO	430 K1TEO	414 AA1ON K0DEQ N0GZ W4TV	401 K4CKS	388 K0IP W4WRL
443 AB4IQ K5XI N4MM	429 K4ZOT K8ZR WA5JCI	413 AE5FM WA9LFO	400 K2TER W0JRP W3UUM	387 KV4T N4CH
442 AG9S N2QT N4TL	428 K9APW	412 VE2XK 6M FN07P	398 N8IEZ W1NG	386 N7IJ NN4R W5TFW W7AH WE4S
441 K8TB K9KLD WA1EAZ	427 W0RH	411 N9EAT	397 KE4TH	385 NK1K VE6MB W4WTA
440 W2IRT	426 N5OK W5JAY	410 KB0V KE7SW KE8KMX KI8G N4HN	396 K6VHF KB8U	384 K8ROK W7FI
439 N4QWZ NM5U	425 K6ML	409 N1EVK N5SYV	395 AA5XE K0AZ K5XM KF7CQ WB4EVH	383 KI0E
	424 N4UFP N9AKR W3EP WB8BPU	408 W7BA		382 K5PI VE3YXO
	423 W4DR			

381 AG4W W3VZ	N2DPF W8LMG	355 KD5XB N3AIU (DM45)	341 KD7DCR NX7U WA7YAZ	WB5TOI
380 K7MCX NE6I WA5LFD	368 K0DD W5RCI W6GMT	353 AF2K K0CS WA9PWP	340 N0AN	333 AA4LR K0TC KM4HI N0IGZ W3GQ
379 AB9BH N8WNA	367 KC4HW KR4BD W7YAQ	352 KF9UG VE3DS W0KKK W1DYJ XE2ML	339 KE4BKL VA7FC W5VAS WB0OQV	332 AA7UN N4JDB N7KDT VA3IKE W9GM
377 AB1OC NT9E WA1NLG	366 KI7JA	351 AA4FL K5DTC	338 N9JR NA5Z VE3SXE W9XA WA5KBH	331 K1GJQ K8WDA KC0UDO N4MW W3TI
376 K8GI K8VFF N2WK N3OC	365 K4JJW K7XB KG7CW	350 N6VI N8YO	337 K8ZES NU6S W9EWZ WA5RT WW0E	330 KB8MBC KG6AY W8PI
375 K6QG WB4OQX	364 AB5EB K0RAR N6QQ	349 KA0BAD	336 FG8OJ K5KDX K7BV K9QVB/9 VA2WA VE3XN WO9S	329 AA1QD N2JJ W2OR W8WG W9DCT WB4KTF WX4G
374 K0TT KV7K N6GP N7DB NY1V	363 AB4EJ W4NH	348 N1JFU NJ7G	335 AK0MR K0VG K5FUV K5FZ K9QVB KB4MRX KM3V KN4NN W4ER W9GKA WA7PDC	328 K6ME N5PT W2CNS WB3LHD
373 K4SSO	362 W1JR WA5OLT	347 W2HRO	334 AD7OV K0OOK K3TRM N4UFO (EM95) N9DR VE1JBC	327 KJ5RC N0YO W2JU W7YA
372 JA7QVI N0FJP	361 AC9DX K8BL K9NR N1KDO N8KOL NG4C	346 N9XG W8OP		326 K2ZD K5KEW K6LMN K6TDI NG7M W7JLC WF7T
371 AA4ZZ N3PS WA6BYA	360 K6EME K6UM (CN85) W0NOZ	345 AA8SW KB1EFS VE7BV W3XY XE2YWH		
370 K5TN KN4SM KS4YT N3MK NT0V W4FC	359 AA4FF	344 K6FW KB0PE N8LRG W1OW		
369 KF8UN	358 K5RLA KG8P NK0S	343 K5EK N3RC N6KZ N8HRZ		
	357 K4LVV			

325 WA2AEY WX0Z	313 JE1BMJ N2ZZ N6NR N7UVH NF4A W4GLV W5RKN	K8TL N7LAN	293 K3AX K4KJZ KL7HBK N4JJ N4MI W2GKR W4VC WA2IIE	N5OHL WA0FQK WB0CQO
324 HC2FG K9SH KU4A N2BJ VE3TMG W4MAY	312 AF6O KA2GOJ	302 JG1TSG KB2TGU N3KN	282 AA0ZP K0PG K5TA N8JCM W4WM	
323 N8II W8KEN WO2T	311 AC9S KM3T KS4XQ W2BZY W5DB	301 N0HJZ W7IB W9OBG WB0TVY	292 KJ6P W1SSN	281 AA8MA JR1LZK K4OY NL7CO W2YE
322 K0CAO N3ALN VA6SZ	310 N1NK W9KVR WO4DX	300 AA4V K0PHP K0SRL KB6VFC N1RR WA2BAH WX2S	291 KS4S W1WHL W2CCC	280 N0KV NM5Z W1FKF
321 N0LD NC7B NS4C W9VA	309 AA9RR WA8ZID	299 DK8NE VE6WK W1LE W8UV WB5GVY	290 WA8EFK	279 N3JPU W0VHF (EL87) W8GJ XE1FAS
320 K1ST N4DW	308 WA4HFN	298 K0MLD KD4WSC N4IQ	289 K2BLA K4MM K9FA N5BCA N7RO NQ7G W4LTJ	278 AA9D AJ4W K3JT K3WA N0LNO N8BJQ NN1N
319 KF2T N7US	307 AG1A KE5K W3ATV W9RPM	297 KG5EIU KK0DX N8YQX N9LF	288 K1NU W1DU W4HLR	
318 W4HY	306 K4QE KE8Y WV9L	296 K4XR K6YUI KC7RW	287 K8DP KC7MRQ N8CGY WA4NVM	277 AC7JM PV8DX
317 KA8SYV W1SKU W3HDH	305 K3VAT K6UM (CM88) KT1J WA9M	295 KE4P N6AR N7NT XE1YY	285 AB0S K5CZD K9UO NS7K	276 HC1BI K2CS K5TWJ K7TAB W9OO
316 K3FN KA0ABA W4UCK W9BWR	304 K6IPF NS4T WA0GUD	294 K2UU K6JSV W7IMC	284 AB0RX K0KP K4DET KX7L NJ2F (EL96)	275 K1MAA K2NJ N4GG VE6TA (DO33) W0FK
315 K5VH NY2NY XE1AO	303 EA8DBM K8TGC		283 K7LOL	
314 KU4XO				

274 KB1DMX WA8MCD	K1WVX TG9AJR VE3MSC WB8EJN	NA2NY WB7ECS	249 CT1IUA K8AO KQ5U N1GC N5SMQ	VA3HP W1VT WA2VJL
273 KM4H KV1J VE6SH	265 N5KS W7CT	257 K0CCM K2KA K5QE KD4MYE N5DTT PY2XB W0PPA WA2HFI/0	248 K1ZZ W6VFA	239 K9MQ KF4LVF MD0CCE W6RW W9YOY/M WA3SEE WB1FLD
272 KF8QL KO4PRE N4SV	264 AC8L K4JAF N0TK NF1O	256 JM1IGJ KL7NW N8ZJN	247 JA1UAV N5DD W3TEF	238 AA3GM JP1LRT
271 K7NII KB7FUV KL0S W3HHN W3SW	263 AK4PR K9AAA WB7QBS	255 K8MVZ KG4JPL NI3K W4HFZ WA8KNE	246 K0DAS K8YC KK8X N5TIT W4FRA WI7P	237 K3KO
270 K4SPD KC9FQD N2LIV W4QK W5DNT W7JY WZ9B	262 K3CWH K5VR KD8JSP N4ST ND4DX WA0KBZ	254 N7QOZ NR0Q VE3OTL WD5ITW	245 AE4WG N1IA N3XF N5PA VA3CW	236 K0SU K4NK N3FTI N9ATD W5AJX
269 K2IE K3ZO KD5R N5EPA N5WD VA2CY	261 AF2F K3TWK KB8UUZ N3EW W6TCP W9TA	253 F4BKV KG4ERR N2XQM	244 K8DV N3AIU (FM08) N4JRY VA3ZV VE3VHB W0VD WD4IXD	235 ND0C NN9X VO1GO WB6RJH WT2P WZ9W
268 K6OJ KI0HA N9ZTS W0KAN WB9PNU	260 K6JAD N6HC NT7C W3DF XE1YD	252 AB5A CT1EEB K1ACL K3NK N9ATF NN4RR VE6NTT	243 JA1QJI K3TC W4EJ YV1DIG	234 KE6FCT
267 KB1HY KG6EG KX9N N2AMC N8EHW W4FSO W5WP W9DRB	259 K1BD KD4ADC KG6I KN5O NY1E VE6BMX WA4YA	251 AD5JK K9QJ KG7NV NN4SS W2LV	242 K3WW KA3TCC	233 K1AFC N9NJS VE7VZ W8PAT W9TD XE1L
266 K1OA	258 AB5GU K1NJ K2HAT	250 AA9LC NW6R	241 N6NU W5LO	232 IT9IPQ K5FO KK8MM N9NJY WA2OTC
			240 KK4ZUU KO6LU	231 AI9L K4MIJ K6HEW

KF6GYM W9XT	223 K7UA NJ7A	N2YU N6KW	206 AB0CT AK4Y CT3MD DJ5FI K4GHS K9YC (EN61) KB0LYL NA5Q W0BNE W4EJG XE1J	K6ZZ LU4FW N5AO N7PHY N9AG VA3VU
230 JM1SZY K1ZE KO4MM VA3XJ WB0WAO/8	222 K0YY K2TV K3AJ KA1LMR KD4K WA2BOT	214 JA7MSQ KB9PJL KC7OD VE3SYK WA7AJ		199 N3KFV W4OEP WB0YEA
229 K6RG KB9RUG KD5IKG KE4UW N4NX NN5DX W5LUA	221 K5WMH K6CQR N0PSJ N4ION N5UWY W4IFI W5JMW	213 K3DFL KI6X W0NBC	205 AF4OD K8SD KE4HOA N5ITO W8QID	198 AC8TO JR2HCB N0UK N7EPD NX0I W8DM WA7KYM
228 K5RUS K7HSJ KF2ZQ N8AIA W5HEZ	220 K7BTW N7XCZ	212 AB5C JF8QNF JR3REX K3EA KF7NN N1SV N2OA	204 K00Z LU2DX WA3DRC	197 K3EGE N4BAF W3TW W5CTV
227 K3HPA K8ZT K9TF KS9A W4KXY XE1GLL	219 K1DT K2RKJ KE5RV W6DPD W7ZSL WB2WIH (FN20)	211 K9FOH NE8S VE3SMA W2ZDP W5HNC W6AER W6KAP	203 K0VSV K5HYT K5LOW N0HF N8SYF W1RM W3SZ W9GFB W9VOB WA1KPD	196 K0AIZ K0NR KD3HN N5DUW W2AMR XE2ED XE2W
226 AF5WN GD0TEP N7CNH N8UR NM5S W0VX W8RD WQ6Q	218 K1XH K4IJQ K5HPT KB8KVJ KC0VDY NA5C	210 K3MSB K9YC KL7NO N1TQ N6UK WQ9T	202 K1BZ K5GJR WC7X WF8Z WQ5W	195 AA4W K2WJ K6VDP KG6WIK
225 AC9O KX9X (EN50) N2WSY PV8AZ W8AKS WN6W	217 ND4V W4DEE	209 AA4IB W5WGF WA4NFO XE2N	201 AA7WB KC5FP KO9V KR0I NN0K NR2C WA1MKE WA9ASZ	194 K2MRK N3FA N9NFT WF1H WK8A
224 JA8ISU NJ8J	216 K7RB N0IS N6PM NE1F W1AW W5RWF	208 AI2N CO8DM KD5HIO PV8ABC		193 K7PT K9AB KD2NF KF6XA
	215 AL7OC K2SX KI5FJ	207 N1BCL N8NJA	200 4A2MAX K4YJ	192 N1LF

N2NB	NA2R	VA3DPB	KE4SCY	166
N3CAL	PY5CC	W8LHP		JA1OVD
N3NR	W3OU	WA4QMQ	172	KC2GHT
N4LXB	W5BPT		AB9KZ	N5VU
N4TV	XE1R	178	I0WTD	NC4RY
W6MTR		KA2AYR	K5ZED	VA3WEB
W8FN	184	KB0EO	KI4PKW	WB4KXS
191	4O3A	KB1RZA	KJ6HI	
K0ITC	AF5Q	KG5RJ	VE2PN	165
K9CS	K0DEW	N1ZUK	W4ABC	K4DXT
KK6OH	KR4M	NQ2O		KD5HPT
N9AMW	N1IBM	VE3NRT	171	N3FX
WA2BKN	N4BG	W0ZY	AA4PB	W0RIC
WA5CAM		W1MAD	HP2AT	
WD4JHD	183	WY7FD	KC5GSK	164
	K5RQ		KC5YCH	K2SD
190	N0UBL	177	KI4TZ	K5VWW
K5DB	W2UDT	AG4ZE	NS3L	KD0UHN
K5ER	WC4H	K2QQ	W1PX	KF9US
KC2DLD		KI4BWW	W6IA	W4CSW
KN4PPD	182	N2ZA	WA2KBZ	WK7G
N9UA	AJ6T CM87	NY4I		WQ7F
W1ATV	FP/KV1J	SM7FJE	170	
W2OO	K5GMX	W5ZG	K9TVG	163
W4GE	K8WK	WA8UEG	N4GBK	K2JF
WB0DBS	NZ1I		N8CN	K2YSY
	W9JJ	176	NA2U	N5XZ
	XE1CL	AD5ZA	W1MJC	
189		EA5BY	W4IHI	162
K6US	181	K0DI	W4JKC	AF4GK
KC0MEA	AB9FN	KX9X	WK3V	K0QB
WA5VKS	K4CMS	N5QGH		KA1R
	K5HDE	N9ARX	169	KD4TDI
188	KB8YKR	NP4BM	K6XC	N5SIX
AD7KI	N3XJX	W5AFD	KD5OMJ	W9JJB
KD4HLG	N4DTF	WA5IPS	N2BEG	W9VS
W4AZR	N9MSG	WW2R	N5XES	WA1Z
WA7VHF	NY0A		VE3HHT	WB0WAO
WU9Q	W4RBO	175	W8KNO	
WX9M	W9BS	PV8BR		161
	WJ1B		168	K0KVR
187		174	AE4M	K4EA
AA8R	180	K3MD	KG5ZMQ	KB3CWQ
K0JDD	K0OST	K6WRL	KS9J	KK9M
KQ0J	K4LYN	KC0IYT	W2PD	N2YBB
	KC1MMC	KC6ZWT	W8WEJ	V44KAI
186	N1RK	KG7P		VE3LC
K8PT	N6PEQ	KU0A	167	W4HOG
K9SG	N6VH	N1MGO	K4MQG	WA1LAD
KN7K	W5HI	NA2NY (ex-NA1VT)	KB1YNT	
N0XLR		NA6O	KB9REV	160
N6ZE	179	W3SO	KE5EP	AB1QB
	K1EP	WA2PNI	N0NHW	JA1AFR
185	KU4WD		N8XE	K5IQ
AD6W	N0LIE	173	N00T	
KD5BQT	N0MMA	K2ZZ	TG9ADQ	159
KU4UC	NH7RO	K5YPV	W1BAT	G0OIL

K4MZ	152	KM5TY	CO2WF	LY3W
NS7B	AA6I	N4HID	K7SAM	N4DB
W1EME	N0RC	VA2RC	KC0MEZ	W6BXQ
W4TTO	N1NUM	VE1VOX	KC8TMU	WB8BZK
WB8NUT	NU1T		KJ4KVC	WW2DX
	UT7QF	145	N1EN	XE1H
158	WO4G	KD7YZ	N3VOP	
K8CR		V31MD	NJ0U	134
KI0D	151	VA3TTX	VA3FLF	AB1NS
N2CG	OE6IMD	WA4JA	VE3KY	AB4GE
	W1ZT		W4GPM	AD4TT
157	W2DXE	144	W4TUN	C6ABB
K4FX		K0TLG	W6DQ	GM4UYE
KB8GC	150	K5TDW	WA4KXY	KE5FXE
KC2WUF	KW4BY	K6JRA		KF6UFO
WA7NB	N9LAH	K8MN	139	N3AIU (DN70)
	VE3OAT	K8WU	KC7JPC	N8GOU
156	W7APM	N9DI	KM2O	W4TKI
IZ8FFA		W5MPC	KU0G	WA3WZR
K2KJ	149	WO7GI	N7T	
K9OHI	AB6CF	YV4NN	NA2AA	133
N3RN	K4SAN		W4OV	KA5ETS
N9KO	KK9H	143	WB2JIL	KC1RET
VE7VDX	W3UA	K6JBH	WY0V	KE1VT
	WB4VHF	K9QFR		KM8V
155		KB8RJS	138	W0RT
CT1BWU	148	N8URE (FM19)	AC0XY	WI5D
K3TD	AC0DQ	NA1VT	A16O	WW7Q
K6XN	AG0A	W0HNM	KD7WPJ	XE2O
N5RMS	K0RU	W0UHL	KE0A	
N7AU	K7IU	WB0MMC	KE3D	132
N9OBE	KB2YSI	WM5H	KE8RO	AB3CV
TG9ANF	N0TM		KQ4KX	IC8TEM
VA3NQ	N1TOR	142	N3XH	K5VG
WV8DX	N5ZBI	NA2X		KW4G
	PV8AJ	NC4VA	137	N4PPH
154	W6VNQ (CM88)	W5SWV	N1SZ	N7TP
AE4NT	WB6RAB	WA5TKU	N5JGK	NE1I
KB9VMW		WS4V	SM7AED	VE3TM
KW4OV	147			WN6K
NZ6N	AF6AV	141	136	
W3ZQN	IZ1LBG	JA6RJK	K0XXX	131
	K6PSP	K4AR	K4SX	JR1BAS
153	KC1BUF	K9ATX	KC5LK	K3NAT
AA4NC	N8IK	KT8TD	KC9AXZ	KG9R
AB4GG	VE3CX	N9FIV	KJ5RM	KT3X
K7AD	W4YCC	NV4B	KV1E	N2CJ
K7ZD	W5WOX	W4FS	NO1R	TF3JB
N1OFZ	WA0VPJ	W4POT	W2JCN	
N2ADV	WA3YGQ	W6ZI	W4AVV	130
N2WM		WB9WHQ	W7UV	AB0X
N6DHZ	146	WL7OU	XE2JS	JA3LZS
W3DQS	K2GW	WR7AY		K0GUR
W5FI	K8YTO		135	K4JKB
W9ILY	KB0YH	140	CU3EQ	K8LG
WB5ZAM	KB5ZEA	AC5DK	K4MWB	KC4NX
	KC2TN	BA4SI	K8ZIZ	NG9R

NO8D	KC5DRI	K4HBI	117	KM5OL
VE1DX	W2AJM	KB2WAL	AB5J	N3JDQ
VE2TZT	W3UQH	KB5MH	K4WS	N4YCI
W0PHX	W4DFU	KE4JFS	N4USG	N5YK
W2LES	WA6POZ	NE0P/9	N5JEH*	W0BM
W3FEY	WB4OMM	UR0MC	N5LPT	W8MSP
WA2SEI	WE1P	W8DN	NA7L	W8VW
WB4YDL		WB9TFH	NU6V	WD0ENC
WW5W			W6WE	
129	124	120	WA1TBV	112
8P6ET	K0DLW	EA1YO	XE2PXN	EA4DEI
JF4VZT	KB0HH (EM06)	K2CYE		K2MLS
K0KD	KD5FTD	K4AU	116	K3GD
K5QWO	KM1C	K4CGY	IK7EOT	K5WTA
KC8KSK	KT5MR	KD0R	K4RGN	KA7T
KF4NEF	N0SL	KD4MZM	KI6QDH	N5HMH
KM5LY	N9AZZ	KD5BRF	KU5B	W1TR
KM5SC	PV8AAS	KE4SCY (FM06)	N0VR	W5DQ
N9WBR	W0PE	N3YPJ	NO0B	W6OAT
	W1TAM	VE1JC	W0DHB	W7IV
	W3KN	VE3XK		W9PN
	W6SCQ	WA6RAY	115	WA8TWM
	W7YM	WD4OHD	K9AAN	WG3K
	W9CDL		K9MMS	WX3P
128	123	119	KE6TVM	XE1GK
JR2LJO	AC7AF	AE5AU	KF0QS	
KC7QAG	K9SM	K0AWU	KF9AF	111
KJ6SDF	KB0GT	K1ZN	KM5FA	N0SLT
KN4DMN	KB0STN	K2SQS	N7VGO	PC3T
N1SFE	KG6DHQ	K4MSG	UW5ZM	W8GBH
W0WT	VE3TG	K7JIZ	VK9DX	WZ8P
W5ZO	W1HS	KF7PCL	WA3BZT	
W8FR	W3DIY	KP3V	WC7V	110
WB2WEO	W3SE	KT0P		G4BWP
	W4PRZ	KW7N	114	K5KR
127	W5EWF	N4UPX	AC8HU	K7LD
AA9RK	W7MHW	W0QC	K2RET	KD5J
K3GYK	W8BI	W4SW	K3RTU	KI0F
K7UV	W8KHP	W7QQ	KC4GCK	KP4JRS
K8AC	WA8WV	WI4T	KG9Z	KQ4LA
K8OS	WB2RVX	WM9M	NF8M	KX5U
KB3OZC			VE1WOW	N5TIF
KB9TLV	122	118	VE3IRR	N5YM
KC0RQH	K7AED	J68AS	W2JLK	W7JET
N6UTC	K7OGW	K4AZV	W2ZQ	W7UP
VE2JWH	KA9JAC	KA4LBD	W4ALF	
W1FLD	KB4UF	KF6MXK	W4UFO	109
WA6BIL	KB5WFE	KI7BP	WO2C	AK6ZZ
	KC5UGX	KT8X	WX4US	IW1ARB
126	N5HYV	N1QDQ		K2DSW
HB9EFK	VE6PY	N3JNX	113	K2JGL
KJ7G	VE7JAC	N5EIL	AB4PM	K2OO
N0BDS	WD0GTY	W2AC / WB2ABK	AD5MD	K5DNL
N7DGI		W2AC/WB2ABK	HB9BZA	K9GY
WB4HUC		WB2KSK	K3DQB	KE6GLA
YL2AO			KD4BPZ	KJ6CA
			KD6VCD	KZ7N
125	121			
AA7DK	AE1P			
K3PU	K0MFI			

N8TMW	N9XMU	103	K2NUD	WA5TLP
N9TTX	VA3OKG	AA5CK	K5DWI	WV9E
VE3AAQ	VE3AJY	AB0YM	K5HX	
W0YJT	WB6VYH	AB5SS	K7SYS	99
W1OP	WQ9F	K2OY	KB1JDX	AB0SD
W4ZRZ		K4MVL	KB4KBS	AB3TM
W5MPC/1	105	K8ZEE	KC6AWX	K0YO
W7RJR	AC4Q	KA1W	KC8CSD	K4KEW
WB6YIY	DS4EOI	KB0FHP	KG8WB	K4WQ
WB9W	K4SJA	KB2SGX	KG9IL	K4ZO
	K9MAL	KC9FFV	KL2R	K5VPQ
108	KB3JGS	KF0AIJ	KR4WM	K7DD
CF3VRQ	KC0JYT	KF4DVG	KR7LD	K7PAP
JA9IPF	KC4KK	KR4NO	N1IX	K9ZZE
JP7EIP	KF4DGS	N0YXE	N4AOE	KA0ZEE
K5OPB	KJ7TH	N1JIF	N8VEA	KC2IEB
K7MDL	N4NQY	NF6P	N9DVS	KC6X
N3MWQ	N5SAN	NN2D	ON9CMR/W0	KD4MWO
VE3SUB	N7YY	VE7DXG	VA2LGQ	KD6RUH
VE7IG	NE9O	W0TF	W4LLP	KG9AP
VY2RU	PU4JOE	W3LEO	W5KBD	KR4UA
W4AMP	VE3VRQ	W6IT	W7ISG	M5MYH
W4CRN	W8MIL	W6XU	WB8IMY	N4FV
W5AAJ	W9RVG	XE1RBV	WD5IYT	N7HRT
W8EH	WA4MYO			N7JPF
W9VNE				N7TE
		102	100	N8GHZ
107	104	AA9MY	AC0FT	N8YV
JA3EGE	AB9YC	AB8JH	A12S	N9MKC
K5UIC	AC5K	AD6KH	A19U	NB5R
KF7PG	AC5RN	K0HAQ	K2UA	NH6CJ
KI9A	AC9QR	K3HW	K4UQC	NI5W
KK4LUM	IK4DRY	K9AM	K5GM	NS2P
N3TTT	K5PPP	KA3ZLS	K5KV	VE2HAY
N9OI	KB9RNO	KB8CR	K8IJ	W2HOG
NF0T	KC1LXO	KC6WFS	K9CC	W2VU
US0KW	KC2TR	KC8DMN	KB9ZLB	W5JLC
W2TTT	KD9GKL	KD8NYO	KC2HLI	W6TJU
WB4PPW	KJ7OG	KE1AU	KC8CC	WA5TRX
	KM6WXB	KJ4M	KC9CMT	WB5NHX
	KO4LZ	KR5V	KD3SW	WB7VVD
106	N0STP	N1HOQ	KE5CVM	WK5X
K0MEI	N1LDY	VE7ZD	KF0Q	WW2R (EL09)
K5BJW	N2FBQ	W4RVZ	KG5X	
K7BWH	N3UPS	W5DPT	KJ5OA	98
K7JE	N7AGF	W5OV	N3TBB	AC2RL
KB0TIJ	NJ1H	W7UT	N4NIA	AD8Y
KC7ICM	VE2PIJ	W9NFL	N5RZK	K0KC
KE5JXC	W1TE	WA4IOB	N5XTR	K0UD
KJ6MBW	W1ZE	WA8EQP	N7EME	K3IXD
KK2DOG	W4KVS	WB5FDP	N8COP	K3QIA
N0RQ	W6ZQ		N8XS	K4OP
N1USB	W9EBK	101	VP2MRM	K5HOB
N2IPH	W9MDB	AE7V	W2CH	KA1EKR
N4CE	WB2VUO	A15WW	W4/KL7GLL	KE4LGL
N5FPW	WB8BZK/VE3	K0IN	W4OZK	KG4YOU
N5YHF		K0SBV	W8BZY	KG7E
N8HM		K0WJ	W9DQ	

KJ2G	W7DN	K8KFJ	KB7AK	KC9UL
KK0CQ	WA6OSX	K8ME	KC0AUY	KD0QG
KY0Q	WA9LEY	K8VD	KC3AK	KE6AZX
N0JJQ	WB8RVK	KC5N	KD4VRZ	KE6UMW
N1JHJ	WB8ZTV	KD7WH	KE3WM	KE8RPJ
N3LRP	WE8L	KD8DR	KF0LA	KE9V
N5TEY		KD9ZR	KG4NLZ	KI0J
N8AID	96	KI0SK	KU4JZ	KK7MNC
NO5X	AD5OW	KW9U	KV3W	N2BX
NO8R	AE4TQ	N1XK	N0LNE	N2YTF
VA3VF	AK4F	N2SLO	N0LP	N3AO
VE4XTZ	K2CK	N2WLS	N2SU	N3ZBK
W2KRP	K2UF	N3WAV	N3JBH	N4GOA
W6TE	K2UNK	N4ET	N3XBG	N4YHC
WA2FGK	K4EQH	N5BLY	N3YUG	N7EGY
WA3TLT	K5CRJ	N5ENU	N5ZMP	N7JI
WB1GQR	K8EMR	N5KI	N6HY	N7KSI
WB2YDS	K9OT	N9IV	N6MXU	NA9D
WD0E	KA2NDX	N9LJX	N7NH	VA3JFF
WH6LR	KA3HED	OE9KFV	N7UN	VA7QI
WT5H	KB5GI	PY2KP	N8WWM	VE3WMD
WV5Y	KB8PNS	VA3KS	N9DD	VK5PJ
	KC0HBP	VA3PZ	N9UNX	W0MHK
97	KD6PY	VE3KZ	VA3MA	W2VTV
AB8M	KI5TE	VE3SPW	VE3RX	W3ZGD
AJ9C	KM5NU	W4YZJ	VE5MX	W4VG
K0HB	KR4EE	W5ADA	VE7AB	W5DMT
K0JQZ	KS4V	W5CBF	W2GR	W5DWA
K0QEI	KT5RR	W5RCQ	W3IPA	W7EIR
K0SH	N0WVU	W7JWC	W3TA	W7TRX
K0YQ	N2LID	W9SX	W4LNG	W9IFW
K3HZO (FN20)	N2VHZ	WA2ONK	W5ODD	W9NED
K4GTR	N2XK	WA3I	W5PUF	W9WI
K4JQU	N8PAQ	WA4WR	W7NX	WA5ICA
K8XF	N8YBY	WB2SIH	WA7LHZ	WB5CON
KA2BSK	NT2A	WD8DOT	WA9BXB	
KA7EII	NW5Q	WS4S	WT9U	92
KC0YBM	NY2Z	XE2AT	WV7S	K1EY
KD5CKP	VE2DCP			K5GDX
KF4KSN	W1HMM	94	93	K5TDA
KM4NYI	W3VHF	AA4RP	AG2A	K7FU
KT5WB	W4KK	AB4VT	AG6CV	K7HKR
N1VMJ	W4TMR	AD1DX	AI8F	K7UWR
N3UMA	W7JHS	AK8CW	K0IW	KB0PQP
N4BH	WA3EEC	HK4SAN	K1PTF	KC4JNW
N6MA	WB0M	K0ARM	K1ZK	KD4QMY
N9APK	WB5KJE	K3BEE	K2AK	KE4WBO
N9IO	WP4LNY	K3TUF	K2MTS	KG4URP
N9KY		K4JRK	K4DAM	KR7X
NK7C	95	K4LDC	K5TRI	N2SG
NU0Y	AB9AI	K4NNX	K6RM	N3GH
NV3K	AE0G	K8GT	K7IP	N4VN
VA3FIN	AE5EO	K9DOG	K7TRK	N5QO
W3QT	IK8YTA	K9SUL	KB0USF	N6FD
W4CWA	K1PNQ	KA2F	KC5TGT	N6RPM
W4DAS	K4ED	KA9UVY	KC5TT	N7DED
W4ID	K8BB	KB4YKC	KC9TTR	NS6E

UT5JAJ	AB4WL	W0HRO	87	W1WV
W1PV	AB9DU	W1HY	AC0A	W3STU
W2ACY	AF5BG	W2JEK	AG4I	W4IT
W2CVW	DL1SMA	W2OK	K4JC	W4RA
W3ACO	JH4JNG	W4ZMM	K5UZ	W6ST
W3GP	K1HC	W6VNU	K5WO	W7SIR
W3HZU	K1KA	W9HT	KB1VUN	W8DQ
W4BP	K3CWF	WA7SDI	KC8NAH	W9QY
W4LIA	K3UAL	WB3IAL	KE6WOX	WA4WKL
W6NS	K4AAP	WM6Y	KI6RRD	WD4LSS
W8JV	K4FTP	WQ5C	N0ELA	WF4R
W9HBH	K4XZ	WR5AY	N2CJN	
WA3JKB	K6UIP	XE2NL	NA5DX	84
WA4EEZ	K8EAB	XE3DX	NE5S	CT3FT
WM3O	KA5TJI		NI5F	K4EZY
	KB5FHK	88	NN7RM	KE6NDG
91	KB7BSA	AA4QE	W8GOC	N1KI
AA0CW	KK4DZP	AE0DX	WB3IGR	N2NWS
AD3Y	KW3DX	AE4OF	WB8JAY	VE2WBK
CO2WZ	N2ULL	AF4MI	WF4W	W8PU
K1UR	N4BRF	K1RS		W8SGR
K4SPA	N5BA	K3TN	86	ZS6NK
K6YK	N9JJ	K4XD	AG1T	
K7HPN	VA3XOV	K7CTV	K7FB	83
K8OI	W9CPV	K7WV	KA9OKH	AA6E
KB2YWU	W9CSY	K7ZYV	KB7JG	DL5XJ
KB3IAI	WA2BEV	K9JF	KI6HQT	K1LH
KB3NDS	WA8OJR	KB2KIR	KN4MMH	K4SQC
KB7AZ	WD9HCF	KC1GWX	KP4TB	K6JJ
KC5POV	WE7H	KC3MLC	KT1R	K8SIA
KC8LGL	WEST SEATTLE AMATEUR	KE8EVR	N2NF	KB3HHA
KE1IU	WH6LE	KI2D	N3MVF	KB9LIE
KE7RTB	WT4C	KI4RFM	N8TFD	KK7BV
KG4QWC	XE3/K5ENS	KJ4KW	NZ3O	KU4WW
KI3O		KU4S	SV1RK	N5PD
KI5BLU	89	N0OK	VA3MDB	N6KTH
KM7N	AB1TZ	N1CEO	VA7LM	SV2AEL
KM9I	AG2AA	N2MKT	VE7IRU	TG9AKH
KQ6K	AG7NR	N2ZN	W8IW	W7USB
N3PPH	G4NBS	N4CAG	WA1PMA	WD6T
N3WCM	JQ1TIV	N4GN	WB4GCS	WD9IOK
N6DW	K4BMM	N4KIN	XE2AU	WI6Z
N7CZ	K5CX	N4UC		XE1MM
N8DEZ	K5JAZ	N5VBK	85	
NR4J	KA0MWA	NS3X	AC9GK	82
NU4N	KF4TVL	NT4TN	EI3IO	AD4IE
VA2BBW	KI0G	VE2VLJ	K1UU	CB0ZA
W2SUB	KI4FW	W2BZR	K4LRP	K3RJK
W4MLN	KI4US	W3YX	KB3MXK	K4JMX
W5KDA	KR4U	W4DL	KC0V	KA5WSS
WB0NRV	N2GZ	W4RXR	KE4DRF	KC5YKX
WB7X	N5KAE	W7HDD	KK4AND	KG4KVZ
WC4V	N8YSZ	WA2BTR	N2RJ	N1SF
XE1GZU	N9RG	WA5MD	N4LS	PU8TEP
	N9UDX	WK3N	NJ1Q	W5DAS
90	NE2U	WV8O	VE3GFN	W5DM
AA0LM	VE3VCF	XE1SOV	VE7DAY	W7YOZ

W8GG WA2ONG	N1GNB N2MH/4	68 AA4S EH7CD K6CF KJ7TEA	JL1UXH JL3MCM N5LJL WD5GRW	42 W0PR
81 AB4I DF3CB KE4DZU N6MM N7NEV NI4Y W3MC WA4ZXV WA8ZNC XE1EE	75 G4RGK K3PP K6VHF/HR9 K8QM N5GH NP3YL W4LVH W5UC WP4NEG ZL3AAU	67 JG2TSL KF4JHG W7YED	56 KI5WA LU8ADX NI6T	41 E75AA LA6OP N6PAZ
80 AC6BW G4FKA K7FR KE4PT KR4Q KW1DX N2NS VY2HF W2DEN W5TTY W7AM	74 AK8B CX4AAJ HB9ALO KF2TI LU4FPZ VE6SO VK4CZ WC6DX	65 JA1XEC K4IM K5EJ N7UJJ OK1MP W4CCS	55 LA3MHA WA2EMF	40 HA5PT JF1LMB JR0QFA WB8TGY
79 K4RW K5JBT KB4DSL KP4N N2COP N5YJZ N9RC VE3CFK W2GW W2SKI WN0L	73 JF1IRW VP2MJD W4WT	64 K3BQ WD5GRW (EM13QC)	54 AG4KI	39 AA5PK
78 IZ8EDJ K2QPN SP5QWB TG9AWS W4NE	72 N4II PV8ADI	63 EA1DR HL2EIZ KB0RFY	53 K0BBC PP1CZ	38 DD3KF DG7RO DU1EV K8YSE
77 K1IFJ MI0AYR	71 K0GW K4GK K5WPN NP4TT W2YR W3FGP WC5M	62 K4DXA N6ZDH	51 CT1ETE N8OFS OH4UI VE9FCP	37 BA7NQ HL4CJG JA9APS JH9DRL
76 K0WYN K6MAA KI4CYB KI7WXP	70 GI4SJK K4BNC KC0ZRX N6GEO W2QO W4GP	61 CU3AN K4MLB N0GVK US5WE	50 N8MR	36 JA1WSK
	69 K3WGR W1YM WD4LBR YL2JZ	60 HB9BIN IZ4DPV KP4JFR S55DX UR9QQ	48 G8BQX HL2IFR JA9KRO K0BBC/R KI5KC N6DBF NP3IR YL3HA	35 GI4OWA LU9DO UR5WA
		58 KC6NBI SV8CS WA2MUA	47 HB9RYZ JE1VTZ	34 G4SEU LA2QM
		57 IK1ZOF	43 JA6WJL K4TXJ	33 W8GC WB4SON WB8TGY (EN72)
			44 HB9RUZ WO3T XE2YWH/1	32 DM2RM N3LRH SM6WET ZL3TE
			45 8P6SH CT1EEN K4ZIN	31 K7TM
			46 LA3MHA WA2EMF	30 E72X

JL3LSF JO7WXN WA6DNR	19 DL1TS EA6BB JI4WAO JR3UIC PY2HN SP8NR VE6TA (DO31)	IK2RPE JK1UNZ JN1RQV N1IW ZS6WB	NJ4Y UR5FEO ZS4TX	IK0WRB IK8EPC JI1CHH JM1GHT JN1BPM JR6IQI KC0Y PY5IP SA7CJO SV1VN US0YA W1CBY WD9EWK (DM43) YB1TJ YL2CA YL2MU
29 HL2WA OE4VIE SP5APW	18 AJ6V HL4GAV KJ4EU W0HBH	11 A65BR DL2OE EA4DAU EA4ZK G4CTY IZ4GWE JA2KVB JA6QHQ PY2DV PY2GM	6 CT2FEY DL1TRK DU0A EI2JC JA7NGE JG1JPE PY2VA	
28 CT8/K0RUI JA6CRP K0FMI OH3DP	17 G3LZQ PY2XAT SP5XMU SV8CKM W0JM	10 DL4CF HB9BOS JH8RZJ JI2UDK PA5KT SV2DCD TF3Y UR7DWW	5 DL5LH EA1AAA EA7ZY IK8GYS JI5USJ JJ1DW KB8VAO M1VFN MU0GSY OK1IN ON5UE PP2RON SK6QA VE2NGH VR2XMT W1ZR W2ZF YL2CZ	2 5B4ALJ 6K5XZE 9A2GA 9K2NO BV6CC CO6CBF DF3VG DF8FT DK1CO EH4BPJ ES8JX F5TMJ G0THY G4DDL G8GNI GI4ONL IK1IYU IK2GOQ IZ8XQC JA6AVT JA6SZV JA9FAI JH3MHI JP1HDK K4KZM K7LY KEN IN NEBRASKA LA2CQ OH3KAV SV1XV SV3FUO YB2DX YL2KF
27 E70A KC9ELU WP4NIX	16 N6VHF TI2CDA	9 DL7BA EB1EWE EC7ZK G6BFP HB9GWJ IK3ITB JA1MZL JA2FGL JE1LFX KD3UY S51NM		
26 DS4AOW WB7QXU	15 9K2BM EI2GLB HB9FMN HB9HIT JE2UFF LU5FF PY2RN UT3UA WC2C	8 DK2LO G1VDP JA1CPU JE3PCP JJ2NWI N8RO OH8LXT	4 CT7/RC2A DD6UAH EK/RX3DPK F1DFR GM4CFS GM4KHE IV3GOW JH7IMX JH7IPR JK6DXD UT5EL VK4ZP XE1SAX	
25 EA4/K1WE	14 EA8MT IW3GJF JA2XCR KB8DVT PA7RA PV8RR PY2OC W9TTY			
24 EI2JD F1RAF F4BDG HB9G KS4YX ON6AB PA7TWO	13 K4AKX K4WY PY2MC W4PWF	7 DH0GSU G8APB IZ0INX JA2NDQ LA3DV N5ORT		
23 GM4ILS K4SLC KP4EIT W8MK	12 EA3GP F4ESV HB9DDZ			
22 9H1SP IZ3ENH OE3SGU				
21 EA1YN				
20 CX1FK I1FQH JM1KVW N1WC PY5EW W8LR				

CT1AHU
DH8BQA
DJ3ZF
DL2DCX
DL4ZAB
DS5DNO
DS5TOS
EA3WD
EA4GQS
F1VEV
G4CFS
G4VSS
G6MXL
G7SQS
G8TTI
IK5BSC
IW0AFS
IZ0BTV
IZ2CSX
IZ3DBA
IZ5FSA
JA1GZK
JA7DPC
JA7VXB
JH8XVT
JI1HNC
JJ1PFC
JL2ULM
JN3ONX
KC3KJQ
KG4JSZ
KH6WI
KP4DER
MM0INH
OK1UU
ON6NA
OZ1IKY
PU5SVE
SM3GBA
SM6LPG
SP7EXY
SQ5NRY
UN8G
UR5EDX
VR2VGM
WB7VUF
YO8WW